Response to Instruction— Tier 3 Interventions

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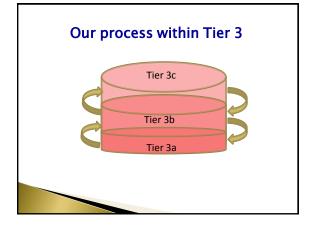
Overview

- ▶ Critical elements needed in RTI
- Our process within Tier 3
- → How does Tier 3 instruction differ?
- How do we determine when a change in instruction is necessary?
 - Types of data that inform our decisions
 Decision-making rules
- What do we do when an instructional addition or change is necessary?

Critical elements that districts need in place to effectively implement RtI

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Well-functioning, school-based problem-	
solving teams 2. School wide screening and progress	
monitoring system Needs to be technically adequate (Curriculum-Based Measurement (CBM) is one example)	
3. Systematic analysis of school-wide data Utilize decision-making rules	
4. Examine current core academic programs Are these programs meeting the needs of the majority	
of the students?	
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5. Identify evidence-based interventions for	
Tiers 2 and 3 and a schedule for implementation of the tiered interventions	
 a) Determine how fidelity of treatment for Tiers 1-3 will be assessed 6. Monitor the progress of students in Tiers 	
2 and 3 on a frequent basis Setting goals	
 Collecting data Implementing data decision rules Making changes in instruction 	
Making changes in instruction	
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Our process within Tion 2	
Our process within Tier 3	





Our process within Tier 3

- Tier 3a—students who are making adequate progress towards meeting their long term OR IEP goals
 - The core curriculum (either in gen. ed. or special ed. is 'working' for them)
- Tier 3b—students who need more strategic intervention to meet their long term OR IEP goals
 Something in addition to or something different than what they are already getting (a tweak, a slight change)
- Tier 3c—students who need intensive intervention to meet their long term OR IEP goals
 Probably need some significant change from what you've been trying (substantial change)

How does Tier 3 instruction differ?	
	3/4-3

What does instruction look like at each Tier?

 $Tier\ 1-Core-classroom\ Instruction$ Differentiated instruction Co-teaching

Research-based core program

- ▶ Tier 2—Targeted Instruction
 - Fewer students than in Tier 1
 - Review of core components
- Could be a program like Peer-Assisted Learning Strategies
- Tier 3—Intensive Instruction
 Small group
 Individualized instruction

 - More intensive/systematic/explicit
 Could be a program like Reading Mastery or Wilson's

Key to instructional success...

- ▶ The teaching!
- Should be explicit and systematic...

Explicit teaching procedures

- Use explicit teaching demonstrations
 Model, lead, test
- Control the language used in teaching skills and strategies
- Introduce one new skill at a time
- Provide guided practice in applying strategies
- Selecting examples
 - Present appropriate introductory examples
 - Provide discrimination practice

Systematic teaching procedures

- Sequencing skills
- Teach preskills of a strategy before the strategy is presented
- Introduce high utility skills before less useful ones and easy skills before more difficult ones
- Separate strategies and information likely to be confused
- Introduce new information at a realistic rate
- Provide adequate practice and review

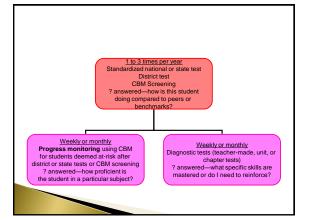
How does Tier 3 instruction differ?

- The duration, frequency, group size, and intensity (explicitness and systematic-ness).
- Example of lesson differentiation by tiers in handouts...
 - Look through each lesson (Beyonce and analogies and make notes about how the lessons differ with respect to intensity of instruction.)

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How do we determine when a change in instruction is necessary?

Data Utilization and Decision-Making Rules More focus on data—less subjectivity



How assessments work together...

- Norm-referenced tests
 - Keep teachers and schools and districts in touch with how their students are doing on a state and national basis
- Provides a <u>technically adequate</u> tool for determining which students are in need of intervention (can also compare to national benchmarks)

 Provides a <u>technically adequate</u> tool for determining whether instruction and intervention are effective for
- students
- Quizzes, unit tests, teacher-made tests
- Provides diagnostic information regarding what skills need to be taught or re-taught

Decision-ma	king r	ules
		No.

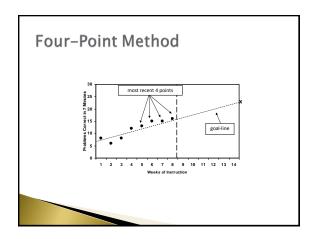
Goal Line Versus Student's Current **Rate of Progress**

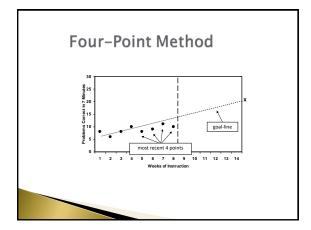
- Examine both level and rate of student progress to determine whether students are progressing adequately to reach end-of-year goals
- Compare student's current rate of progress with projected rate of progress (i.e., goal line)
 - To judge whether the instructional program needs to be modified to better meet student needs

To determine whether the goal should be raised

General Decision-Making Framework	
4-Point Rule If 6 weeks of instruction have occurred AND at least 6 points have been collected, examine the 4 most recent data points. If all 4 are above goal line, increase goal. If all 4 are below goal line, make a teaching change. If the 4 data points are both above and below the goal line, keep collecting data until trendline rule or 4-point rule can be applied.	

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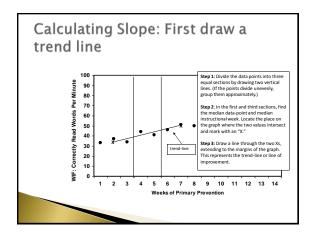


General Decision-Making Framework

Trend-Line Rule

- If at least 8 weeks of instruction have occurred AND at least 8 data points have been collected, figure trend of current performance and compare to goal line.

 If trend of student progress is steeper than goal
 - line, raise goal.
 - If trend of student progress is less steep than goal line, make a teaching change.



Establishing a trend line (slope, line of best fit)

- Aimsweb will do this OR
- ▶ Can also calculate by computer using Excel
- In Excel, right click on graphed data, add trendline, click on options, and add equation. y=mx+b (m=rate or slope)
- Only problem—can't calculate slope within phases of instruction

Applying decisionmaking rules to data

Decision-making Rubric

- To be implemented at least every 6 to 8 weeks
- Three questions to guide discussion on data at problem solving team meetings:
 - · What is the student's goal? Current level?
 - · What decision-making rule are we using (i.e., trend line)? Can we apply that now?
 - If a change needs to be made, what do we do?

- Decision making ruleric—to be implemented at least every 6 weeks.

 Three questions to guide discussion on data as problem scoloring team meetings:

 1) What is a volumity seed "Covern lever!"

 3) What decision making rule are we using it decision, Trends, ruleric? Can we apply that now?

 3) If a change needs to be emake, what so we work.

Student should move to a more intensive tier	Student should stay in a tier and an instructional change should be made	Student should stay in a tier with no changes	Student should be moved to a less intensive tier
Trend of data or last 4 consecutive data points are below the goal line for the past 6 weeks, and when the student was checked 6 weeks prior	Trend of data or last 4 consecutive data points are below the goal line for the past 6 weeks	Trend of data or last é consecutive data points are even with the goal line	Trend of data or last 4 consecutive data points are above the goal line
Classroom work samples and assessment data indicate that the student is not making progress in the current currioulum, even after a change has been made	Classroom work samples and essessment data indicate that the student is making progress, but not at the expected rate	Classroom work samples and assessment date indicate that the student is adequate or expected progress	Classroom work samples and assessment data indicate that the student is making excellent progress and it does not appear that the intervention may be needed.
inappropriate classroom behaviors are escalating	Frustration is evident, although this has not yet manifested in inappropriate classroom behaviors	Classroom behavior is status quo or has improved	Classroom behavior has improved and frustration is less evident
Other?	Other?	Other?	Other?

Specifically for Tier 3

ree questions guide discussion on data at problem solving team meeti 1). What is the student's goal Fources level? 2). Can we apply a decision-making tule nove? (i.e., trend line) 3). If a change needs to be made, what do we do?

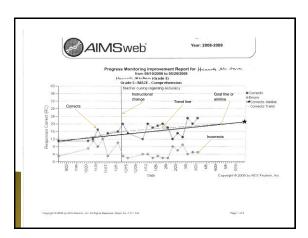
Student should move to a more intensive part of Tier 3	Student should stay in the current part of Tier 3 and an instructional change should be made	Student should stay in the current part of Tier 3 with no changes	Student should be moved to a less intensive part of Tier 3
Trend of data is below the goal line with at least 6 to 8 data points, and for the previous 6 to 8 data points as well	Trend of data is below the goal line with at least 5 to 8 data points	Trend of data is even with the goal line with at least 6 to 8 data points	Trend of data is above the goal line with at least 6 to 8 data points
Classroom work samples and assessment data indicate that the student is not making progress in the current curriculum, even after a change has been made	Classroom work samplex and assessment data indicate that the student is making progress, but not at the expected rate	Classroom work samples and assessment data indicate that the student is making adequate or expected progress.	Classroom work samples and assessment data indicate that the student is making excellent progress and it does not appear that the intervention may be needed.
Inappropriate classroom behaviors are escalating	Prostration is evident, although this has not yet manifested in Inappropriate classroom behaviors	Classroom behavior is status quo or has improved	Classroom behavior has improved and frustration is less evident
Other?	Other?	Other?	Other?

- FIRST, to make a decision on movement/nonmovement, the rubric should be applied.
- SECOND, if a change needs to be made, the team questions:
 - Intensity
 - Fidelity
 - Evidence-based of intervention
 - Duration

Application to a case studydecision making rubric

- Use the rubric to apply the decision-making framework to Hannah's graph for the trend line rule. As you do so, consider the following:
 - Hannah's behavior in the classroom has remained consistent
 - Her classwork samples indicate that she is struggling with sight word vocabulary When examining graphed data alone, what is the decision?

 - Questions you would need to ask in these areas?
 - Intensity
 - Fidelity
 - Evidence-based of intervention
 - Duration



What do we do when an instructional addition or change is necessary?



- Research-based practices
 - Replicated in a variety of settings
 - Sample reflects the population for which we're seeking answers
 - Utilize a control group—Implemented with one group while being compared to a control that is not getting the intervention
 - Procedures are clearly described (so that the study could be replicated)
 - Published in peer-reviewed journals

Treatment fidelity

- One of the key components of Rtl is lack of response to validated instruction, implemented with integrity
 - Need to check on fidelity of implementation. How can this be done?
- Checklists, observation, discussion, video
- The purpose of fidelity checks is to create open dialogue regarding what is effective and what needs to be altered
 - Should be an OPEN process—no surprises here!

Types of interventions

- Standard treatment protocol—standard (same for all students) and protocol (predetermined format or delivery system). A validated intervention is used for all students in the group or class.
- Problem-solving approach—individualized interventions are developed for the students in the group or class.

Examples of places to check for evidence-based interventions

- What Works Clearinghouse http://ies.ed.gov/ncee/wwc/
 IES practice guides
- Florida Center for Reading Research reading lessons
 Fcrr.org
- Google Scholar--http://scholar.google.com/
- Find relevant, research-based references for interventions being considered
- ▶ CORE reading sourcebook—corelearn.com
- Kylene Beers text—When kids can't read what teachers can do: ISBN 978-0-86709-519-7
- Peer-assisted learning strategies: http://kc.vanderbilt.edu/pals/

NRP Findings Focus on Critical Areas of Literacy Instruction

- Phonemic Awareness—ability to hear and manipulate individual sounds in oral language
- Phonics—understanding and connecting letters of written language with sounds of oral language
- Fluency—reading text accurately and quickly
- Vocabulary—oral or reading language needed for effective communication
- <u>Text Comprehension</u>—purposeful and active strategies for understanding written language (National Reading Panel, 2000)

Summarized in *Put Reading First*, http://www.nifl.gov/partnershipforreading/publications/reading_fi rst1.html

PHONEMIC AWARENESS

- Phonemic awareness: the ability to hear, identify, and manipulate individual sounds in spoken words; appears critical for reading and spelling development
- ▶ Put Reading First--various dimensions of phonemic awareness: phoneme isolation, identity, categorization, blending, segmentation, deletion, addition, substitution

Critical Dimensions of Phonemic Awareness

- Blending: I'll say the sounds of a word. You guess what the word is. What word is this? /fffuuunnn/
- Segmenting: I'm going to say a word, and then I'll say each sound in the word. Listen

carefully. "man" - /m//a//n/ Now I'll say a different word and you tell me each sound you hear. **PHONICS** > Systematic and Explicit Phonics instruction significantly improves young children's decoding, spelling, and reading comprehension and older students' word reading and oral text reading skills. Systematic: logical sequence and careful selection of letter-sounds for instruction Explicit: precise directions for teachers or careful wording to emphasize accurate models for students and to make letter-sound relationships conspicuous Lembke

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Systematic and Explicit Phonics Instruction

- Introduce most common sound for a new letter (/k/ for "c")
- Separate instruction of potentially confusing letters due to visual or auditory similarity (h/n, e/i, b/d)
- May introduce lower case letters first (more functional)
- > Start with high-utility letters (s, t, m, and vowels, not z, x)
 > Select words that start with continuous sounds rather than stop sounds when beginning to sound out words--or for blending and segmenting practice (use "mat" before "bat")

Potential sequence for introducing letters: a, m, t, s, S, i, f, d, r, o, O, g, I, h, u, U, c, C, b, n, k, K, v, V, e, w, W, j, p, P, y, Y, T, L, M, F, D, I, N, A, R, E, H, G, B, , q, z, Z, J, Q

FLUENCY		
 Oral reading fluency is the accuracy, and with an app 		
expression, and phrasing	•	
 Fluency is important because bridge between word recouprehension 	•	
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Why Fluency Is Im	portant	
focus their attention	Less fluent readers focus their attention primarily	
connections among	on decoding and accessing the	
between these ideas	meaning of individual words.	
knowledge.	Therefore, they appear to have little	
comprehension.	attention left for comprehending	
	connected text.	

Fluency Interventions

- Model fluent reading. Have students reread text themselves. Read aloud daily. Students should read aloud repeatedly with guidance.
 Use text at independent level (approx. 95% accuracy).
 Discuss prosody, or reading with expression, by reading: Eats, Shoots and Leaves by Lynne Truss.
- Activities from Put Reading First.
 Student-adult reading
 Choral reading
 Tape-assisted reading
 Partner reading

Reader's theater	
]
VOCABULARY	
Many words are learned indirectly through	
everyday experiences with oral and written language (e.g., conversations, listening to	
others read, reading independently). However, some vocabulary must be taught	
directly through specific word instruction or through word-learning strategies.	
Use examples and non-examples	
]
Vocabulary	
Teach students how to use context as a clue Definition/explanation clues	
 Restatement/synonym clues 	
 Contrast/antonym clues Gist clues 	

Using context as a clue, examples

- Which clue can we use in each of these examples?
 - The gentleman was very <u>enigmatic</u>. In fact, everyone agreed that he was quite mysterious.
 - Lori is very <u>punctual</u>, while her sister is always running behind.
 - She was very <u>surreptitious</u> about the way that she sneaked the candy, meaning that she stealthily and quietly reaching into the bowl.

and quietly reaching into the bowl.	
 As the avalanche increased in intensity, the rocks began to <u>carom</u> off the side of the cliff. Then they would shoot off into the air like rifle shots. 	
COMPREHENSION	
is the reason for reading!	
 Comprehension is both purposeful and active. Good readers have a purpose for reading, and 	
they think actively about what they are reading as they are doing it (<i>metacognition</i> monitoring understanding during reading and applying "fix	
up" strategies, such as adjusting reading speed and rereading; also checking understanding afterward).	
arterward).	
One of the most effective ways to help students improve their comprehension	
(NRP) STRATEGIES	
 Identifying important information Inferring/predicting Monitoring/clarifying 	
 Questioning Visualizing Summarizing 	
SynthesizingEvaluating	

Teaching comprehension strategies

- Provide the rationale for and evidence of the effectiveness of the strategy
- Describe and model the strategy using "thinking aloud"
- Provide supported practice and feedback
- Provide independent practice
- Teach for generalization and maintenance
- **See sample instructional routine for comprehension in your handouts

Questions and time for discussion

- Good luck and please e-mail if you need additional resources!
- ▶ Time for reflection...